

CLAIMS

1. An elevator control apparatus, comprising:
a RAM in which a stack region storing information required for calculations for controlling operation of an elevator is set;
and
a stack region surveillance portion that conducts surveillance of a state of a preset surveillance region within the stack region,
wherein the elevator control apparatus controls operation of the elevator according to a state of the surveillance region detected by the stack region surveillance portion.
2. The elevator control apparatus according to Claim 1, wherein the stack region surveillance portion confirms a state of the surveillance region at intervals of a predetermined calculation cycle.
3. The elevator control apparatus according to Claim 2, wherein confirmation of the state of the surveillance region is carried out as part of an interrupt calculation processing for controlling operation of the elevator.
4. The elevator control apparatus according to Claim 1, wherein the stack region surveillance portion performs a calculation for quickly stopping a car when it is determined that an abnormality

occurs in the surveillance region.

5. The elevator control apparatus according to Claim 1, wherein the stack region surveillance portion performs a calculation for stopping a car on a nearest floor when it is determined that an abnormality occurs in the surveillance region.

6. The elevator control apparatus according to Claim 1, wherein the stack region surveillance portion omits a part of calculations to be performed normally and performs only the rest of the calculations when an abnormality occurs in the surveillance region when it is determined that an abnormality occurs in the surveillance region.

7. The elevator control apparatus according to Claim 1, wherein the stack region surveillance portion records, as a history, an operation state of the elevator at a time when it is determined that an abnormality occurs in the surveillance region.

8. The elevator control apparatus according to Claim 7, wherein the stack region surveillance portion performs a calculation for saving history data corresponding to a preset number of times.

9. The elevator control apparatus according to Claim 8, wherein the history data include at least one of data on a running/stopped

state, a running direction, a dispatching floor, a current floor,
a destination floor, and a number of calls of the car.